

Permit Modification Fact Sheet

General Information

Permit Number:	WI-0039527-09-1
Permittee Name:	Weyauwega Star Dairy
Address:	PO Box 658
City/State/Zip:	Weyauwega WI 54983
Receiving Water and Discharge Location:	Groundwaters of the Walla Walla and Alder Creek (WR03), Lower Wolf River (WR04) and Waupaca River (WR05) Watersheds, Wolf River Basin, via landspreading in Waupaca County

Facility Description

This facility manufactures specialty cheeses which include Colby, Monterey jack, mozzarella, provolone, parmesan, Romano, pepper, garden vegetable and curds. The plant processes approximately 281,100 pounds of milk per day into about 24,600 pounds of cheese each day. Production processes include pasteurization, fat removal, cheese production, pressing, brining, and packaging. The plant operates 12 hours per day, 5 days per week and 12 months per year. They produce approximately 5 million pounds of cheese per year. No formal wastewater treatment facility exists on-site. The average daily flow of municipal water supplied to the facility is 12,110 gallons. Approximately 17,900 gallons per day of factory equipment cleanup wastewater is land applied on Department approved sites (Outfall 002). The plant maintains a 20,000-gallon underground storage tank to hold wastewater prior to land application.

Sample Point Designation		
Sample Point Number	Discharge Flow, Units, and Averaging Period	Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)
002	Unchanged by modification.	Representative samples of process wastewater (salt pressings, brine, washwater, boiler condensate and whey permeate) sampled prior to landspreading.
004	Unchanged by modification.	The 1.3-million gallon storage unit located at E7156 Garrity Rd, Manawa, WI is to be used for the storage of only liquid industrial wastewater generated by Weyauwega Star Dairy. Representative samples of wastewater from the storage unit shall be sampled prior to landspreading.

Sample Point 001 (Surface Water) has been removed from the modified permit.

1 Land Application - Liquid Industrial Wastewater (industrial only)

Sample Point Number: 002- PROCESS WW TO LANDSPREADING

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Flow Rate		gpd	Monthly	Total Daily	
Nitrogen, Total Kjeldahl		mg/L	Quarterly	Grab	
Chloride		mg/L	Quarterly	Grab	
Phosphorus, Total		mg/L	Quarterly	Grab	
Phosphorus, Water Extractable		% of Tot P	Quarterly	Grab	
Potassium, Total Recoverable		mg/L	Quarterly	Grab	

Changes from Previous Permit:

Unchanged by modification.

Explanation of Limits and Monitoring Requirements

Unchanged by modification.

Sample Point Number: 004- STORAGE UNIT WW TO LANDSPREAD

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Nitrogen, Total Kjeldahl		mg/L	Quarterly	Grab	Sampling only required when landspreading occurs.
Chloride		mg/L	Quarterly	Grab	Sampling only required when landspreading occurs.
Phosphorus, Total		mg/L	Quarterly	Grab	Sampling only required when landspreading occurs.
Phosphorus, Water Extractable		% of Tot P	Quarterly	Grab	Sampling only required when landspreading occurs.
Potassium, Total Recoverable		mg/L	Quarterly	Grab	Sampling only required when landspreading occurs.

Changes from Previous Permit:

Unchanged by modification.

Explanation of Limits and Monitoring Requirements

Unchanged by modification.

2 Compliance Schedules

2.1 Land Application Management Plan

Required Action	Due Date
Land Application Management Plan: Submit an update to the management plan to optimize the land application system performance and demonstrate compliance with Wisconsin Administrative Code NR 214.	11/30/2025

Explanation of Compliance Schedules

Land Application Management Plan – Unchanged by modification.

Total Residual Chlorine Limits and Phosphorus-TMDL Derived WQBELs – These compliance schedules have been removed from the modified permit. Both schedules were associated with the Surface Water section which has also been removed from the modified permit; therefore, they no longer apply.

Proposed Expiration Date:

December 31, 2026 (Unchanged by the modification)

Prepared By: Sarah Donoughe, Wastewater Specialist

Date: February 4, 2022